

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 10/725,348
Attorney Docket No. Q78682

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A printing apparatus comprising:

a plurality of ink ejecting sections for ejecting ink; and

a carriage that is movable and that holds said ink ejecting sections,

wherein said printing apparatus prints an image on a medium to be printed by ejecting ink from said ink ejecting sections;

wherein said ink ejecting sections comprise:

a first ink ejecting section that is set to eject ink for printing a highlight predetermined region in said image, a darkness of said predetermined region being lower than a predetermined value, and

a second ink ejecting section that is set not to eject the ink for printing said highlight predetermined region in said image, and

wherein said second ink ejecting section is subject to a greater vibration that is generated by a movement of said carriage than said first ink ejecting section.

2. (currently amended): A printing apparatus according to claim 1, wherein:
said image is printed with dots that are in at least two sizes and that are formed with the
ink ejected from said ink ejecting sections; and

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 10/725,348
Attorney Docket No. Q78682

among said dots that are in said at least two sizes, dots that are formed for printing said highlighted predetermined region with the ink ejected from said first ink ejecting section are dots other than dots of the largest size.

3. (currently amended): A printing apparatus according to claim 2, wherein:

among said dots other than the dots of the largest size, the dots that are formed for printing said highlighted predetermined region with the ink ejected from said first ink ejecting section are dots of the smallest size.

4. (currently amended): A printing apparatus according to claim 1, wherein:

said image is printed with at least two kinds of dots formed using a plurality of kinds of inks that differ in darkness and that are ejected from said ink ejecting sections; and
among said at least two kinds of dots, dots that are formed for printing said highlighted predetermined region with the ink ejected from said first ink ejecting section are dots formed using ink other than the darkest ink.

5. (currently amended): A printing apparatus according to claim 4, wherein:

among said dots formed using ink other than the darkest ink, the dots that are formed for printing said highlighted predetermined region with the ink ejected from said first ink ejecting section are dots formed using the lightest ink.

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 10/725,348
Attorney Docket No. Q78682

6. (currently amended): A printing apparatus according to claim 4, wherein:
said inks that differ in darkness include cyan ink, light cyan ink that is lighter than said
cyan ink, magenta ink, and light magenta ink that is lighter than said magenta ink; and
the dots that are formed for printing said highlightedpredetermined region with the ink
ejected from said first ink ejecting section are dots formed using said light cyan ink and said light
magenta ink.

7. (currently amended): A printing apparatus according to claim 1, wherein:
when assuming that a darkness level of the darkest region in said image is 100 %, the
darkness level of said highlightedpredetermined region is at most 35 %.

8. (currently amended): A printing apparatus according to claim 1, wherein:
said printing apparatus further comprises
~~a holding section for movably holding said ink ejecting sections, and~~
a moving member that engages said carriage holding section and that is for
causing said holding section carriage to move;
said dots are formed by ejecting ink from said ink ejecting sections while causing said
holding section carriage to move using said moving member; and
said first ink ejecting section is an ink ejecting section, among said ink ejecting sections,
that is located on the side closer to an engaging section where said holding section carriage and
said moving member engage.

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 10/725,348
Attorney Docket No. Q78682

9. (original): A printing apparatus according to claim 8, wherein:
said ink ejecting sections are grouped into at least two groups;
each group of said ink ejecting sections forms an ink ejecting unit; and
said ink ejecting section that is located on the side closer to said engaging section is an
ink ejecting section that is included in an ink ejecting unit that is located on the side closer to
said engaging section.

10. (currently amended): A printing apparatus according to claim 9, wherein:
all of said ink ejecting sections are allowed to eject ink for printing regions other than
said ~~highlighted~~predetermined region.

11. (original): A printing apparatus according to claim 1, wherein:
the setting for said ink ejecting sections is changed according to print modes.

12. (original): A printing apparatus according to claim 1, wherein:
said medium to be printed is printed on while being carried in a predetermined direction;
said ink ejecting sections are arranged in a row in the direction in which said medium to
be printed is carried to form a row of ink ejecting sections; and
said first ink ejecting section is at most half of continuously-arranged ink ejecting
sections among all ink ejecting sections belonging to said row of ink ejecting sections.

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 10/725,348
Attorney Docket No. Q78682

13. (currently amended): A printing apparatus comprising:

a plurality of ink ejecting sections for ejecting ink; and

a carriage that is movable and that holds said ink ejecting sections.

wherein:

 said printing apparatus prints an image on a medium to be printed by ejecting ink from said ink ejecting sections;

 said ink ejecting sections comprise:

 a first ink ejecting section that is set to eject ink for printing a highlightpredetermined region in said image, said highlightpredetermined region being a region in which, when assuming that a darkness level of the darkest region in said image is 100 %, the darkness level of said highlightpredetermined region is at most 35 %, and

 a second ink ejecting section that is set not to eject the ink for printing said highlightpredetermined region in said image;

 wherein:

 said second ink ejecting section is subject to a greater vibration that is generated by a movement of said carriage than said first ink ejecting section;

 all of said ink ejecting sections are allowed to eject ink for printing regions other than said highlightpredetermined region;

 the setting for said ink ejecting sections is changed according to print modes;

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 10/725,348
Attorney Docket No. Q78682

said image is printed with at least two kinds of dots that are formed with the ink ejected from said ink ejecting sections and that are formed

by dots that are in at least two sizes and that are formed with the ink ejected from said ink ejecting sections, and

by using cyan ink, light cyan ink that is lighter than said cyan ink, magenta ink, and light magenta ink that is lighter than said magenta ink, which differ in darkness; the dots that are formed for printing said highlighted~~predetermined~~ region with the ink ejected from said first ink ejecting section are either

dots of the smallest size among said dots that are in at least two sizes, or
dots formed using said light cyan ink and said light magenta ink;

said printing apparatus further comprises;

—~~a holding section for movably holding said ink ejecting sections, and~~
~~a moving member that engages said holding section carriage and that is for~~
causing said holding section carriage to move;

said ink ejecting sections are grouped into at least two groups;
each group of said ink ejecting sections forms an ink ejecting unit;
said dots are formed by ejecting ink from said ink ejecting sections while causing said holding section carriage to move using said moving member;

said first ink ejecting section is an ink ejecting section, among said ink ejecting sections, that is included in an ink ejecting unit located on the side closer to an engaging section where said holding section carriage and said moving member engage;

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 10/725,348
Attorney Docket No. Q78682

 said medium to be printed is printed on while being carried in a predetermined direction;
 said ink ejecting sections are arranged in a row in the direction in which said medium to
be printed is carried to form a row of ink ejecting sections; and
 said first ink ejecting section is at most half of continuously-arranged ink ejecting
sections among all ink ejecting sections belonging to said row of ink ejecting sections.

14. (currently amended): A computer-readable storage medium having recorded thereon
a program for causing
 a printing apparatus comprising a plurality of ink ejecting sections for ejecting ink; and,
a carriage that is movable and that holds said ink ejecting section,
 wherein said printing apparatus prints an image on a medium to be printed by ejecting ink
from said ink ejecting sections;
 wherein said ink ejecting sections comprise:
 a first ink ejecting section that is set to eject ink for printing a
 highlighted predetermined region in said image, a darkness of said predetermined region
 being lower than a predetermined value, and
 a second ink ejecting section that is set not to eject the ink for printing said
 highlighted predetermined region in said image;
 to print said highlighted predetermined region by making said first ink ejecting section eject
ink, and

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 10/725,348
Attorney Docket No. Q78682

wherein said second ink ejecting section is subject to a greater vibration that is generated by a movement of said carriage than said first ink ejecting section.

15. (currently amended): A computer system comprising:

a computer; and

a printing apparatus that is connected to said computer and that includes a plurality of ink ejecting sections for ejecting ink and a carriage that is movable and that holds said ink ejecting sections,

wherein said printing apparatus prints an image on a medium to be printed by ejecting ink from said ink ejecting sections;

wherein said ink ejecting sections comprise:

a first ink ejecting section that is set to eject ink for printing a highlighted predetermined region in said image, a darkness of said predetermined region being lower than a predetermined value, and

a second ink ejecting section that is set not to eject the ink for printing said highlighted predetermined region in said image; and

wherein said second ink ejecting section is subject to a greater vibration that is generated by a movement of said carriage than said first ink ejecting section.

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 10/725,348
Attorney Docket No. Q78682

16. (currently amended): A method for printing using a printing apparatus that includes a plurality of ink ejecting sections for ejecting ink and a carriage that is movable and that holds said ink ejecting sections,

wherein said printing apparatus prints an image on a medium to be printed by ejecting ink from said ink ejecting sections;

wherein said ink ejecting sections comprise:

a first ink ejecting section that is set to eject ink for printing a highlighted predetermined region in said image, a darkness of said predetermined region being lower than a predetermined value, and, and

a second ink ejecting section that is set not to eject the ink for printing said highlighted predetermined region in said image; and

wherein said second ink ejecting section is subject to a greater vibration that is generated by a movement of said carriage than said first ink ejecting section,

said method comprising the step of:

printing an image by causing said first ink ejecting section and said second ink ejecting section to eject ink.

17. (currently amended): A method for manufacturing a printed article that is printed using a printing apparatus that includes a plurality of ink ejecting sections for ejecting ink and a carriage that is movable and that holds said ink ejecting sections,

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 10/725,348
Attorney Docket No. Q78682

wherein said printing apparatus prints an image on a medium to be printed by ejecting ink from said ink ejecting sections;

wherein said ink ejecting sections comprise:

a first ink ejecting section that is set to eject ink for printing a highlight~~predetermined~~ region in said image, a darkness of said predetermined region being lower than a predetermined value, and

a second ink ejecting section that is set not to eject the ink for printing said highlight~~predetermined~~ region in said image; and

wherein said second ink ejecting section is subject to a greater vibration that is generated by a movement of said carriage than said first ink ejecting section,
said method comprising the step of:

printing an image by causing said first ink ejecting section and said second ink ejecting section to eject ink.

18. (currently amended): A printing apparatus comprising:

a plurality of ink ejecting sections for ejecting ink; and;

a carriage that is movable and that holds said ink ejecting sections,

wherein said printing apparatus prints an image on a medium to be printed by ejecting ink from said ink ejecting sections;

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 10/725,348
Attorney Docket No. Q78682

wherein the ink ejecting section to be used for ejecting ink to print a portion of said image is determined, from among said ink ejecting sections, according to the darkness of said portion, and

wherein an ink ejecting section subject to a lower vibration that is generated by a movement of said carriage during printing, prints a highlightpredetermined portion of the image, a darkness of said predetermined portion being lower than a predetermined value.

19. (currently amended): A printing apparatus comprising:

a plurality of print heads for ejecting ink, each of said print heads having at least a black nozzle row, cyan nozzle row, magenta nozzle row and yellow nozzle row; and,
a carriage that is movable and that holds said print heads,

wherein said printing apparatus prints an image on a medium to be printed by ejecting ink from said print heads;

wherein said print heads comprise:

a first print head that is set to eject ink for printing a highlightpredetermined region in said image, a darkness of said predetermined region being lower than a predetermined value, and, and

a second print head that is set not to eject the ink for printing said highlightpredetermined region in said image; and

wherein said second print head is subject to a greater vibration that is generated by a movement of said carriage than said first print head.

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 10/725,348
Attorney Docket No. Q78682

20. (currently amended): A printing apparatus comprising:
- a plurality of print heads for ejecting ink, each of said print heads having at least a black nozzle row, cyan nozzle row, magenta nozzle row and yellow nozzle row; and,
a carriage that is movable and that holds said print heads,
wherein said printing apparatus prints an image on a medium to be printed by ejecting ink from said print heads; and
wherein a print head subject to a lower vibration that is generated by a movement of said carriage during printing, prints a highlight~~predetermined~~ portion of the image, a darkness of said predetermined region being lower than a predetermined value.
21. (new): A printing apparatus comprising:
- a first print head having at least a black nozzle row, a cyan nozzle row, a magenta nozzle row and a yellow nozzle row;
- a second print head having at least another black nozzle row, another cyan nozzle row, another magenta nozzle row and another yellow nozzle row; and
- a carriage that is movable and that holds said first print head and said second print head, wherein said second print head is subject to a greater vibration that is generated by a movement of said carriage than said first print head, and
wherein said first print head and said second print head are used based on a predetermined rule.